

DIAGNOSTIC AND MANAGING DISTRIBUTED PROCESSOR SYSTEMAbstract of the Disclosure

A network of microcontrollers for monitoring and diagnosing the environmental conditions of a computer is disclosed. The network of microcontrollers provides a management system by which computer users can accurately gauge the health of their computer. The network of microcontrollers provides users the ability to detect system fan speeds, internal temperatures and voltage levels. The invention is designed to not only be resilient to faults, but also allows for the system maintenance, modification, and growth--without downtime. Additionally, the present invention allows users to replace failed components, and add new functionality, such as new network interfaces, disk interface cards and storage, without impacting existing users. One of the primary roles of the present invention is to manage the environment without outside involvement. This self-management allows the system to continue to operate even though components have failed.

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